



Translation

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 15P405	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/JP2003/009469	International filing date (<i>day/month/year</i>) 25 July 2003 (25.07.2003)	Priority date (<i>day/month/year</i>) 26 July 2002 (26.07.2002)
International Patent Classification (IPC) or national classification and IPC F16J 15/18		
Applicant NOK CORPORATION		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.

2. This REPORT consists of a total of 4 sheets, including this cover sheet.

☐ This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of _____ sheets.

3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☐ Certain defects in the international application
- VIII ☐ Certain observations on the international application

Date of submission of the demand 19 December 2003 (19.12.2003)	Date of completion of this report 13 September 2004 (13.09.2004)
Name and mailing address of the IPEA/JP	Authorized officer
Facsimile No.	Telephone No.

特 許 協 力 条 約

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国際予備審査報告

(法第12条、法施行規則第56条)
〔PCT36条及びPCT規則70〕

REC'D 14 OCT 2004

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出願人又は代理人 の書類記号 15P405	今後の手続きについては、国際予備審査報告の送付通知（様式PCT/ IPEA/416）を参照すること。	
国際出願番号 PCT/JPO3/09469	国際出願日 (日.月.年) 25.07.2003	優先日 (日.月.年) 26.07.2002
国際特許分類 (IPC) Int. Cl. F16J15/18		
出願人 (氏名又は名称) NOK株式会社		

1. 国際予備審査機関が作成したこの国際予備審査報告を法施行規則第57条（PCT36条）の規定に従い送付する。
2. この国際予備審査報告は、この表紙を含めて全部で 3 ページからなる。
- ☐ この国際予備審査報告には、附属書類、つまり補正されて、この報告の基礎とされた及び／又はこの国際予備審査機関に対してした訂正を含む明細書、請求の範囲及び／又は図面も添付されている。
(PCT規則70.16及びPCT実施細則第607号参照)
この附属書類は、全部で ページである。
3. この国際予備審査報告は、次の内容を含む。
- I ☒ 国際予備審査報告の基礎
 - II ☐ 優先権
 - III ☐ 新規性、進歩性又は産業上の利用可能性についての国際予備審査報告の不作成
 - IV ☐ 発明の単一性の欠如
 - V ☒ PCT35条(2)に規定する新規性、進歩性又は産業上の利用可能性についての見解、それを裏付けるための文献及び説明
 - VI ☐ ある種の引用文献
 - VII ☐ 国際出願の不備
 - VIII ☐ 国際出願に対する意見

国際予備審査の請求書を受理した日 19.12.2003	国際予備審査報告を作成した日 13.09.2004	
名称及びあて先 日本国特許庁 (IPEA/JP) 郵便番号100-8915 東京都千代田区霞が関三丁目4番3号	特許庁審査官 (権限のある職員) 唐 強 電話番号 03-3581-1101 内線 3368	3W 8714

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/JP2003/009469

I. Basis of the report

1. With regard to the elements of the international application:*

- ☒ the international application as originally filed
- ☐ the description:
 pages _____, as originally filed
 pages _____, filed with the demand
 pages _____, filed with the letter of _____
- ☐ the claims:
 pages _____, as originally filed
 pages _____, as amended (together with any statement under Article 19
 pages _____, filed with the demand
 pages _____, filed with the letter of _____
- ☐ the drawings:
 pages _____, as originally filed
 pages _____, filed with the demand
 pages _____, filed with the letter of _____
- ☐ the sequence listing part of the description:
 pages _____, as originally filed
 pages _____, filed with the demand
 pages _____, filed with the letter of _____

2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language _____ which is:

- ☐ the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of the translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. ☐ The amendments have resulted in the cancellation of:

- ☐ the description, pages _____
- ☐ the claims, Nos. _____
- ☐ the drawings, sheets/fig _____

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**

* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rule 70.16 and 70.17).

** Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International Application No.

PCT/JP 03/09469

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	1-10	YES
	Claims		NO
Inventive step (IS)	Claims	1-10	YES
	Claims		NO
Industrial applicability (IA)	Claims	1-10	YES
	Claims		NO

2. Citations and explanations

Document 1: JP 8-14396 A (Aisin AW Co., Ltd.), 16 January 1996

Document 2: JP 8-159290 A (NOK Kabushiki Kaisha), 21 June 1996

Document 3: JP 8-28709 A (NOK Kabushiki Kaisha), 2 February 1996

Document 4: JP 9-317886 A (Nippon Valqua Industries, Ltd.), 12 December 1997

Document 5: JP 8-159291 A (NOK Kabushiki Kaisha), 21 June 1996

Document 6: JP 58-127255 U (Mitsubishi Heavy Industries, Ltd.), 29 August 1983

Document 7: US 4438935 A (J.C. L&S Ltd.), 27 March 1984

Claims 1 to 10

A seal ring provided with a separating part at one position in the circumferential direction, wherein a linear contact part making contact in a linear fashion against a side wall surface of an annular groove on the side of fluid not sealed is provided continuously around the entire circumference from one end of the aforementioned separating part to the other end, and the linear contact part provided at the one end of the aforementioned separating part and the linear contact part